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**OCT 27 2006**

**OFFICE OF PETITIONS**

In re Application of :  
Johan Soderdahl : DECISION ON PETITION  
Application No. 10/717,916 :  
Filed: 21 November, 2003 :  
Atty Docket No. 20260-00079-US :

This is a decision on the petition under 37 CFR 1.137(b),<sup>1</sup> filed on 28 July, 2006, to revive the above-identified application.

The petition is **DISMISSED**.

Any request for reconsideration of this decision must be submitted within TWO (2) MONTHS from the mail date of this decision. Extensions of time under 37 CFR 1.136(a) are permitted. The reconsideration request should include a cover letter entitled "Renewed Petition Under 37 CFR 1.137(b)." This is not a final agency decision.

This application became abandoned on 7 March, 2006, for failure to timely file a response to the final Office action mailed on 6

<sup>1</sup> Effective December 1, 1997, the provisions of 37 CFR 1.137(b) now provide that where the delay in reply was unintentional, a petition may be filed to revive an abandoned application or a lapsed patent pursuant to 37 CFR 1.137(b). A grantable petition filed under the provisions of 37 CFR 1.137(b) must be accompanied by:

(1) the required reply, unless previously filed. In a nonprovisional application abandoned for failure to prosecute, the required reply may be met by the filing of a continuing application. In a nonprovisional application filed on or after June 8, 1995, and abandoned for failure to prosecute, the required reply may also be met by the filing of a request for continued examination in compliance with § 1.114. In an application or patent, abandoned or lapsed for failure to pay the issue fee or any portion thereof, the required reply must be the payment of the issue fee or any outstanding balance thereof. In an application abandoned for failure to pay the publication fee, the required reply must include payment of the publication fee.

(2) the petition fee as set forth in 37 CFR 1.17(m);

(3) a statement that the entire delay in filing the required reply from the due date for the reply until the filing of a grantable petition pursuant to 37 CFR 1.137(b) was unintentional. The Commissioner may require additional information where there is a question whether the delay was unintentional; and

(4) any terminal disclaimer (and fee as set forth in 37 CFR 1.20(d)) required pursuant to 37 CFR 1.137(c)).

December, 2005, which set a three (3) month shortened statutory period for reply. No extensions of the time for reply in accordance with 37 CFR 1.136(a) were obtained. Notice of Abandonment was mailed on 14 July, 2006.

The petition lacks the required reply. Petitioner has filed a copy of the amendment filed on 11 July, 2005, in response to the non-final Office action mailed on 9 March, 2005. However, a proper reply must be in response to the final Office action mailed on 6 December, 2005.

As it appears that petitioner may not have a copy of the final Office action mailed on 6 December, 2005, a courtesy copy is enclosed for petitioner's reference in preparing a reply.

Petitioner should file a renewed petition accompanied by a proper reply.

The address on the petition is different than the correspondence address. A courtesy copy of this decision is being mailed to the address on the petition. All future correspondence will be mailed solely to the address of record.

Further correspondence with respect to this matter should be addressed as follows:

By mail:           Mail Stop Petition  
                  Commissioner for Patents  
                  P.O. Box 1450  
                  Alexandria, VA 22313-1450

By FAX:           (571) 273-8300  
                  Attn: Office of Petitions

By hand:          Customer Service Window  
                  Mail Stop Petition  
                  Randolph Building  
                  401 Dulany Street  
                  Alexandria, VA 22314

Telephone inquiries concerning this matter may be directed to the undersigned at (571) 272-3231.



Douglas I. Wood  
Senior Petitions Attorney  
Office of Petitions

cc: CONNOLLY BOVE LODGE & HUTZ LLP  
1900 M STREET, N.W., SUITE 800  
WASHINGTON DC 20036

Encl: Copy of Office action mailed on 6 December, 2005



# UNITED STATES PATENT AND TRADEMARK OFFICE

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/717,916	11/21/2003	Johan Soderdahl	20260-00079-US	7571
30678	7590	12/06/2005	EXAMINER	
CONNOLLY BOVE LODGE & HUTZ LLP SUITE 800 1990 M STREET NW WASHINGTON, DC 20036-3425			SICONOLFI, ROBERT	
			ART UNIT	PAPER NUMBER
			3683	

DATE MAILED: 12/06/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	10/717,916	SODERDAHL, JOHAN	
	<b>Examiner</b>	<b>Art Unit</b>	
	Robert A. Siconolfi	3683	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --**  
**Period for Reply**

**A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS; WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.**

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 11 July 2005.
- 2a) ☒ This action is **FINAL**.                      2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-9 and 11-16 is/are pending in the application.
- 4a) Of the above claim(s) 11-14 is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-9, 15 and 16 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |   |   |
|---|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)                        | 4) <input type="checkbox"/> Interview Summary (PTO-413)                     |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)    | Paper No(s)/Mail Date. _____  |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date _____   | 6) <input type="checkbox"/> Other: _____                                    |

**DETAILED ACTION**

1. Amendment filed on 7/11/05 has been received.

***Claim Rejections - 35 USC § 112***

2. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

3. Claims 1-9, 15, 16 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

4. Claims 1, 16 disclose a second and third means. The second and third means seem to correspond to the pressure relief valves and the gas volume claimed in dependent claims. However, the elements are not identified as second and third means. Therefore, it is unclear to the examiner as to the scope of the claims.

***Claim Rejections - 35 USC § 103***

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

6. Claim 1-9 15 16 are rejected under 35 U.S.C. 103(a) as being unpatentable over Crouch and further in view of Tsuchiya et al (U. S. Patent no. 4,693,454).

Crouch discloses:

See figure 1 piston E, passage m at a position near the fully expanded position

Crouch does not disclose temperature compensation or non-return valves. Ingham teaches temperature compensation and non-return valves (see figure 4 adjustable pressure-relief/temperature compensation valves 21,22, adjustable non-return valve 23). It would have been obvious to one of ordinary skill in the art at the time the invention was made to use temperature compensation and non-return valves as taught by Ingham in the device of Crouch in order to ensure that the proper device pressure is available at all times. Changes in temperature can lead to a change of the spring characteristic. The use of these valves allows the spring rate to be maintained over a variety of temperatures.

Crouch, as modified, is relied upon as above. Crouch, as modified, does not disclose connecting the expansion chamber to a gas volume. Tsuchiya et al teaches connecting the expansion chamber to a compressed air source (see figure 9 source 640). It would have been obvious to one of ordinary skill in the art at the time the invention was made to as taught by Tsuchiya et al in the device of Crouch, as modified, in order to operate the gas spring at a pressure different than atmospheric pressure (e.g. higher pressure which would produce a higher spring rate).

***Response to Arguments***

7. Applicant's arguments filed 7/11/05 have been fully considered but they are not persuasive. Applicants argue none of the references teach a passage between the two chambers open in only one predetermined position. Examiner disagrees and notes passage m.

***Conclusion***

8. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the date of this final action.




Art Unit: 3683

9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Robert A. Siconolfi whose telephone number is 571-272-7124. The examiner can normally be reached on M-F 10 am-3 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Charles Marmor can be reached on (571) 272-7095. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

  
Robert A. Siconolfi  
Primary Examiner  
Art Unit 3683  
9/27/05

RS